Bruhat Bengaluru Mahanagara Palike

Road Infrastructure - Byatarayanapura Division

TOTAL ABSTRACT

Name Of work : -Improvements to Roads, Drains and Drilling Borwells in ward no. 07 & 08 of Kodigehalli Sub-Division of Byatarayanapura Division, under P3106 Nagarathana works.

Job Code :- 007-16-000031 21224

Name of Agency :- Sri. G.N Ramesh

Bill No :- 3rd and Part Bill

Measurements recorded on:

BOQ Item No	Description	Unit	Qty	Rate	Amount	Remarks
1	**Removing B.S.Slab Drain and stacking Page NO 25 / Item No 5.32/PWD SR 2015-16.**					
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.		491.40			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.		0.00			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli		90.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara		0.00			
		Sqm				
	Present Qty		581.40			
	Previous Qty		2520.30			
	Total Qty		3101.70			
	Tender Qty		6071.22			
	Now to be paid Qty		581.40	70.00	40698.00	
2	**Refixing stone slabs of drains and pointing in CM (1:3) Page NO 25 / Item No 5.33/PWD SR 2015-16.**					
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.		491.40			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.		0.00			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli		85.50			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara		0.00			
		Sqm				
	Present Qty		576.90			
	Previous Qty		2520.30			
	Total Qty		3097.20			
	Tender Qty		5606.72			
	Now to be paid Qty		576.90	86.00	49613.40	
3	**Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixid curing etc.., complete - 10.0cms thick (Page NO 28 / Item No 5.31.1 of PW, P&IWTD SR 2015-16).**					
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.		0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.		0.00			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli		4.50			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara		0.00			

AE(W3)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

	Sqm				
	Present Qty	**4.50**			
	Previous Qty	**1900.35**			
	Total Qty	**1904.85**			
	Tender Qty	**1724.50**			
	Previously Paid For Tender Quantity	**1724.50**			
	Qantity reserved for want of approval of Modified Estimate	**180.35**			
	Now to be paid Qty	**0.00**	**874.00**	**0.00**	
4	**Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. Page No. 141/ Item No.**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	**333.64**			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	**683.30**			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	**113.50**			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	**0.00**			
	cum				
	Present Qty	**1130.44**			
	Previous Qty	**4277.10**			
	Total Qty	**5407.54**			
	Tender Qty	**7087.55**			
	Now to be paid Qty	**1130.44**	**91.00**	**102870.04**	
5	**Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materialks with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bond macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 160/ Item No 21.3 /PWD SR 2015-16).**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	**0.00**			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	**2997.00**			
	14).Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	**250.00**			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	**0.00**			
	Sqm				
	Present Qty	**3247.00**			
	Previous Qty	**16764.42**			
	Total Qty	**20011.42**			
	Tender Qty	**22533.40**			
	Now to be paid Qty	**3247.00**	**97.00**	**314959.00**	

AE (NT)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

6	**Proviidng and laying, spreading and compacting graded stones aggregate to Wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specifications. No.406, Page no. 157/ item no. 20.18/ PWD SR 2015-16**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	166.86			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	655.50			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	50.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	cum				
	Present Qty	872.36			
	Previous Qty	3815.59			
	Total Qty	4687.95			
	Tender Qty	4390.30			
	Qantity reserved for want of approval of Modified Estimate	297.65			
	Now to be paid Qty	574.71	1885.00	1083328.35	
7	**Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / compressed air to recieve bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. specification no. 500-1.3 P. 160/ Item No 21.1 /PWD SR 2015-16.**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	0.00			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	250.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	Sqm				
	Present Qty	250.00			
	Previous Qty	259.28			
	Total Qty	509.28			
	Tender Qty	21970.00			
	Now to be paid Qty	250.00	14.00	3500.00	

AE(Civil)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

10	**Providing and applying tack coat using 80/100 grade nitumrn (VG 10) on prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted witth spray set (excluding cleaning of road surface) including cost of all materials, labours , HOM of machineries complete as per specifications.(Page no. 160/ Item no. 21.7/ PWD SR 2015-16)**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	1773.60			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	0.00			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	889.25			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	523.75			
	Sqm				
	Present Qty	3186.60			
	Previous Qty	31397.84			
	Total Qty	34584.44			
	Tender Qty	17670.00			
	Previously Paid For Tender Quantity	17670.00			
	Qantity reserved for want of approval of Modified Estimate	16914.44			
	Now to be paid Qty	0.00	16.00	0.00	
11	**Providing and laying bituminous Macadam on prepared surface with crushed coarse aggregates as per mix formula for base/ binding course including loading of aggregates with FE loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer/ tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. using 100-120 TPH capacity H.M.P. with sensor paver Gr-II (50mm to 75mm)with 3.3%. (Item No. 21.11.2, Page No. 161, PWD SR 2015-16).**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	115.73			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	0.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	26.19			
	cum				
	Present Qty	141.92			
	Previous Qty	480.55			
	Total Qty	622.47			
	Tender Qty	104.52			
	Previously Paid For Tender Quantity	104.52			
	Qantity reserved for want of approval of Modified Estimate	517.95			
	Now to be paid Qty	0.00	6000.00	0.00	

AE(W2)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

12	**Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher with required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects complete as per specifications.using 40-60 TPH capacity H.M.P. with sensor paver Gr-II (30mm to 45mm)with 6% CRMB-55. (Item No. 21.23.6, Page No. 164, PWD SR 2015-16).**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	70.94			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	92.58			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	47.42			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	28.72			
	cum				
	Present Qty	239.66			
	Previous Qty	1644.77			
	Total Qty	1884.43			
	Tender Qty	1415.52			
	Previously Paid For Tender Quantity	1415.52			
	Qantity reserved for want of approval of Modified Estimate	468.91			
	Now to be paid Qty	0.00	12530.00	0.00	
13	**Lead for Disposal of debris shall be payable at carriage rates by mechanical means including loading and unloading from 0.00 to 2.00km (Page no. 133 of PWDSR 2015-16).**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	333.64			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	580.40			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	113.50			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	cum				
	Present Qty	1027.54			
	Previous Qty	4277.10			
	Total Qty	5304.64			
	Tender Qty	6542.69			
	Now to be paid Qty	1027.54	86.00	88368.44	

Asst Engg. N D
AE(WZ)

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

38	**KSRB 4.9.1: Providing mild steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.45 / PWD SR 2015-16**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	96.52			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	0.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	qtl				
	Present Qty	96.52			
	Previous Qty	0.00			
	Total Qty	96.52			
	Tender Qty	11.42			
	Qantity reserved for want of approval of Modified Estimate	85.10			
	Now to be paid Qty	11.42	5000.00	57100.00	
39	**KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2015-16**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	805.66			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	0.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	Sqm				
	Present Qty	805.66			
	Previous Qty	0.00			
	Total Qty	805.66			
	Tender Qty	74.70			
	Qantity reserved for want of approval of Modified Estimate	730.96			
	Now to be paid Qty	74.70	331.00	24725.70	

Arthur N D
AE(WZ)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

48	**KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	65.03			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	0.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	cum				
	Present Qty	65.03			
	Previous Qty	0.00			
	Total Qty	65.03			
	Tender Qty	926.47			
	Now to be paid Qty	65.03	6817.00	443309.51	
50	**KSRB 4-1.3 : Providing and laying in position plain, cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	27.39			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	0.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	cum				
	Present Qty	27.39			
	Previous Qty	142.99			
	Total Qty	170.38			
	Tender Qty	1170.24			
	Now to be paid Qty	27.39	5577.00	152754.03	

AE(Mg)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

E2	**KSRRB M400-6.1: Construction of Granular Sub Base by providing close graded Crushed stone aggragate granite /trap/basalt materials, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications A. Plant Mix Method Gor Grading II Material Page No. 154 / Item No. 20.4.2 / PWD SR 2015-16**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	**0.00**			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	**786.60**			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	**0.00**			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	**0.00**			
	cum				
	Present Qty	**786.60**			
	Previous Qty	**808.11**			
	Total Qty	**1594.71**			
	Tender Qty	**0.00**			
	Qantity reserved for want of approval of Modified Estimate	**1594.71**			
	Now to be paid Qty	**0.00**	**1914.72**	**0.00**	

AE(WH)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

E6	**KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6**				
	2) Improvements roads in sahakaranagara G block and surroundings in ward no.07, Byatarayanapura.	0.00			
	7) Widening and formation of footpathfor nh-7(Esteem mall point upto kempapura circle) by acquiring the land of Embassy builders and adjacent private property) in ward no.07, Byatarayanapura.	43.54			
	14) Reasphalting to roads behind Rajamurali theatre in ward no. 8, kodigehalli	0.00			
	17) Improvements and asphalting to road connecting Hoysala Apartments - amco layout tatanagara	0.00			
	cum				
	Present Qty	43.54			
	Previous Qty	0.00			
	Total Qty	43.54			
	Qantity reserved for want of approval of Modified Estimate	43.54			
	Tender Qty	0.00			
	Now to be paid Qty	0.00	7760.02	0.00	
	GRAND TOTAL			2613982.82	

For RBI-TECHNICAL SERVICES

Proprietor

PMC **Asst.Engineer Ward no.08** **Asst.Exe.Engineer**

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

N.D

Contractor **Asst.Engineer Ward no. 07**